SHADG2024

Safe 360 - VR Safety Simulation Challenge

There is a growing need to leverage virtual reality (VR) technology for enhancing safety awareness, training, and preparedness. The **Safe 360** is a Virtual Reality Environment Building Competition aims to challenge participants to create innovative and realistic VR environments that address safety-related topics. Participants are tasked with designing and constructing a virtual reality environment that effectively simulates and communicates safety scenarios. The primary goal is to enhance safety awareness, training, and preparedness through immersive experiences.

1. Model Building

Develop realistic 3D models that accurately represent the physical environment and potential hazards. Integrate dynamic elements to simulate real-world scenarios, such as emergency situations, natural disasters, or workplace accidents. Implement interactive elements that allow users to engage with the environment and experience the consequences of their actions.

2. Environment Building

Create immersive VR environments that replicate real-world settings where safety is a critical concern (e.g., construction sites, industrial facilities, public spaces). Pay special attention to lighting, sound effects, and overall ambiance to enhance the sense of presence and realism. Implement spatial audio cues to guide users' attention to potential hazards and safety measures.

3. Storytelling Capability

Integrate a compelling narrative that guides users through the virtual environment, emphasizing the importance of safety. Develop scenarios that require users to make decisions and face the consequences, fostering a deep understanding of safety protocols. Use storytelling elements to create emotional connections, making the safety message memorable and impactful.

Judging Criteria

1. Realism and Accuracy

How well does the VR environment replicate real-world settings and potential safety hazards?

2. Interactivity and Engagement

To what extent can users interact with and navigate the virtual environment?

How engaging are the scenarios presented, and do they effectively capture users' attention?

3. Innovation in Safety Communication

How creatively does the VR environment convey safety information and protocols?

Are there innovative approaches to training and awareness that stand out?

4. Storytelling Capability

How well does the narrative guide users through the VR experience, emphasizing safety?

Does the storytelling create a memorable and impactful impression on the users?

Competition Rules and Guidelines

Teams can consist of participants up to two members. Virtual reality platforms must be made using an open-source platform. Submissions must include a detailed explanation of the safety-related theme, the rationale behind the chosen scenario, and the intended impact on users.

This competition challenges participants to leverage the power of virtual reality not only for technical proficiency but also for effective storytelling and communication of safety principles.